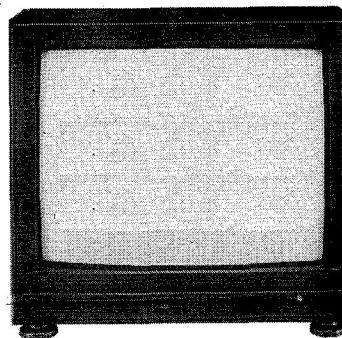


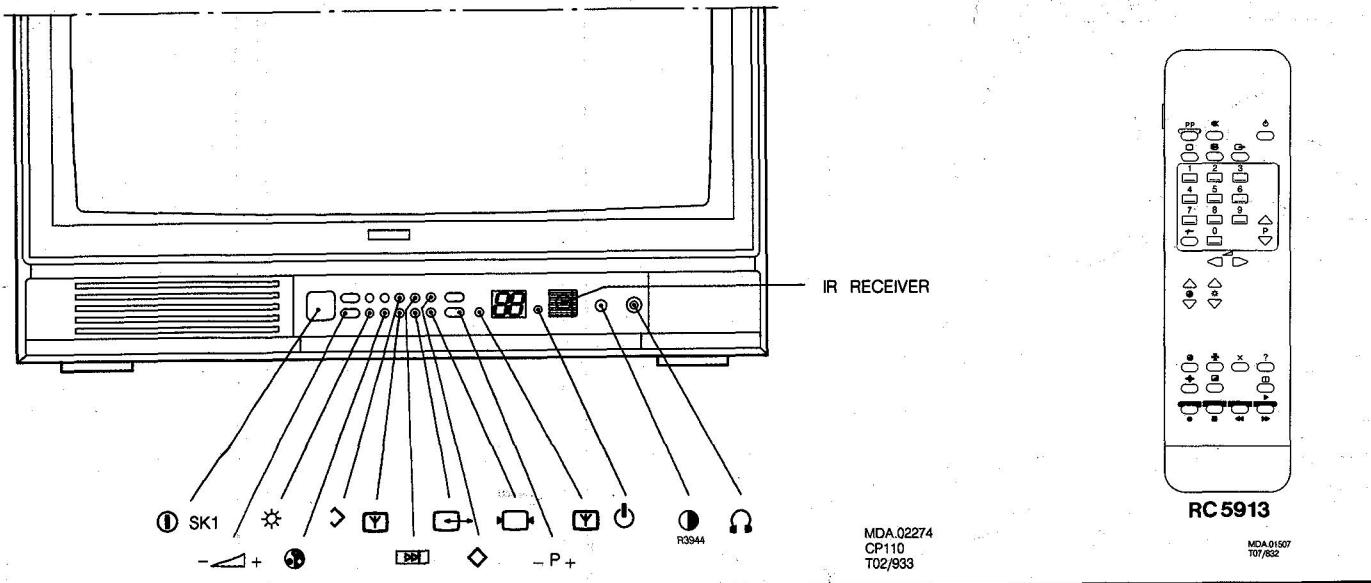
Service
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Service



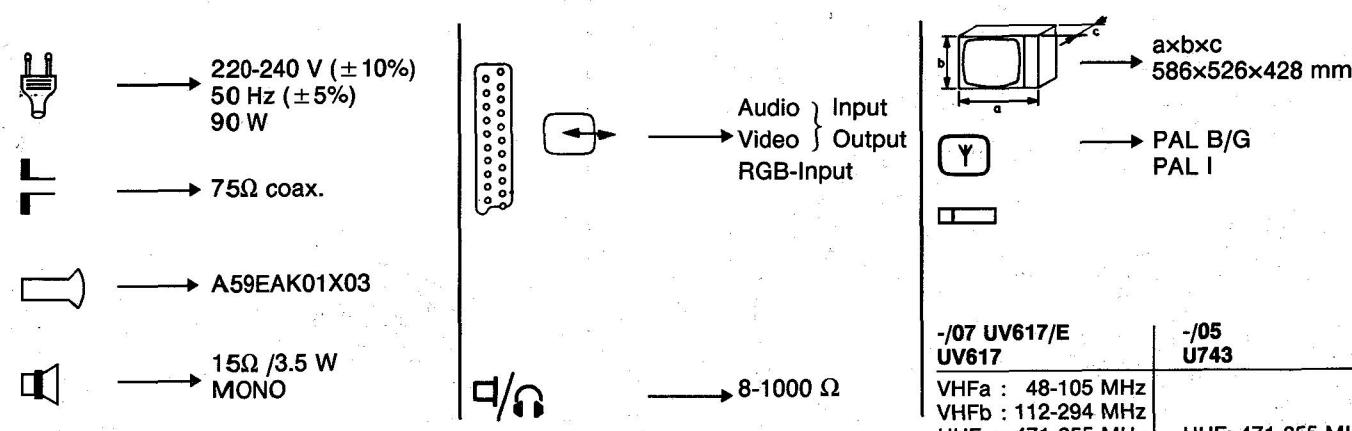
44 973 A11

Service Manual

Safety regulations require that the set be restored to its original condition and that parts which are identical with those specified be used.



CHASSIS CP110



Documentation Technique Service Dokumentation Documentazione di Servizio Huolte-Ohje Manual de Servicio Manual de Servicio



Subject to modification

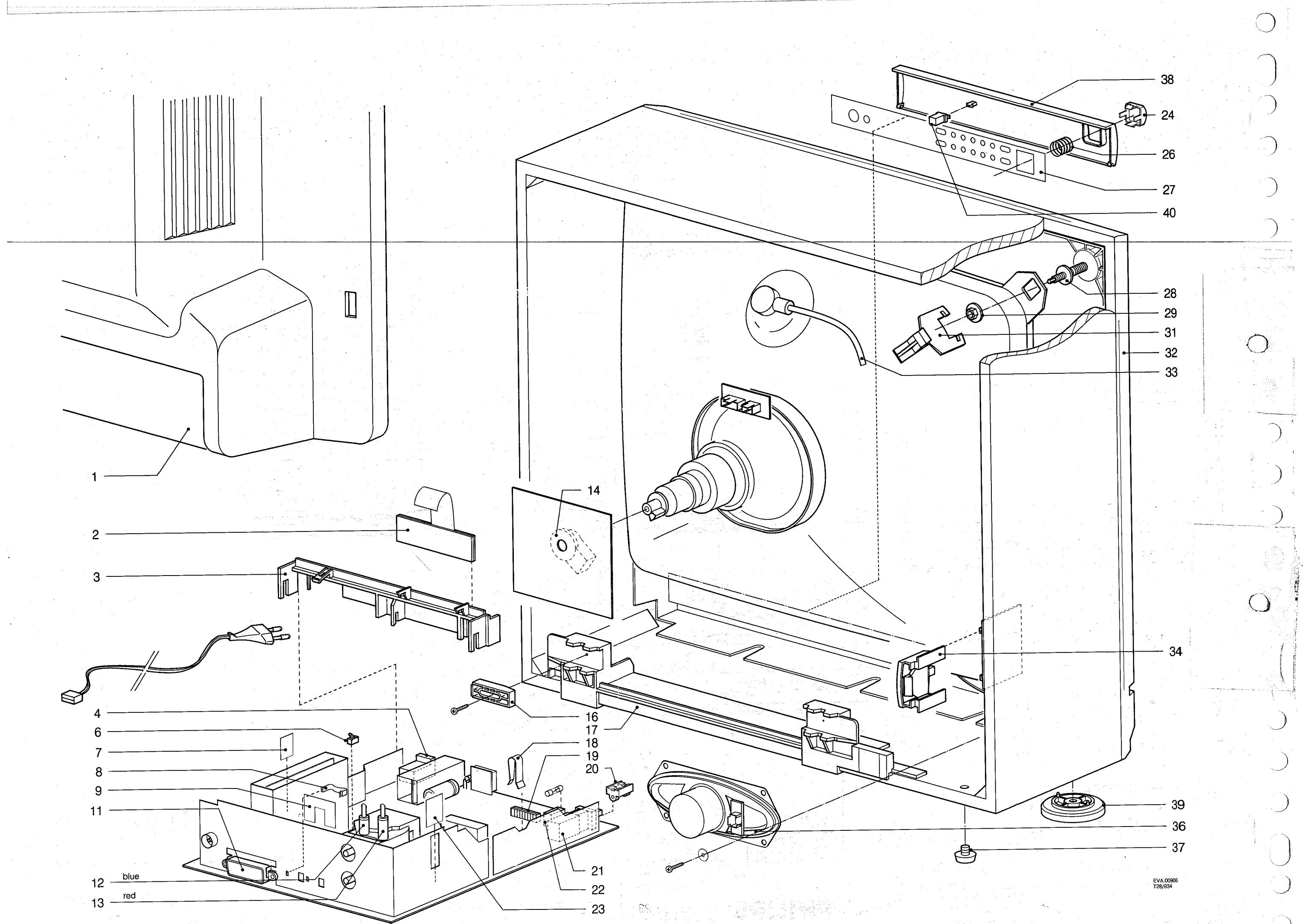
4822 727 16702

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PHILIPS

Published by
Service Consumer Electronics

1	4822 438 20177	Rear cover
2	4822 212 22738	Keyboard
3	4822 404 30871	Bracket
4	4822 462 10281	Headphone socket
6	4822 273 50296	Switch
7	4822 325 10106	Insulator
8	4822 492 63731	Spring
9	4822 325 10105	Insulator
11	4822 267 60243	Socket, scart
12	4822 417 50226	Clamp, blue
13	4822 417 50225	Clamp, red
14	4822 255 70216	Socket, picture tube
16	4822 417 50229	Lock, chassis
17	4822 404 30872	Holder, chassis
18	4822 492 63733	Spring
19	4822 264 50177	Socket, female
20	4822 404 30889	Bracket, mains switch
21	4822 276 12422	Mains switch
22	4822 256 30274	Holder, fuse
23	4822 325 10107	Insulator
24	4822 413 41549	Knob, mains switch
26	4822 492 63732	Spring on mains switch
27	4822 454 12435	Strip, front
28	4822 502 12865	Screw, picture tube
29	4822 505 10903	Nut, picture tube
31	4822 404 30869	Bracket
32	4822 451 80872	Mask
33	4822 320 20153	Cable, HT
34	4822 404 30887	Bracket, rear cover
36	4822 240 20268	Loudspeaker
37	4822 462 41487	Foot rear
38	4822 432 92472	Door
39	4822 462 41486	Foot front
40	4822 417 50252	Locking mechanism
	4822 462 10336	Stand end for -/05
	4822 218 20689	IR transmitter



Service Information

1989-04-13

CHASSIS CP 110

CT89-02

GB

In the course of production, the carrier panel and the picture tube panel have been modified. These modified panels have been applied in sets whose serial numbers start with QGII, AGII or higher.

Also in sets with serial numbers starting with QG09, AG09, the FLOF teletext has been introduced together with a mask change of the microprocessor:

TMP47C432 - 8188 for TXT CEEFAX
TMP47C432 - 8189 for TXT FLOF

So this means that, depending on the microprocessor, either a TXT CEEFAX or a TXT FLOF can be built into a non-teletext set.

This service information gives the modified and new circuit diagrams, the print layouts of the modified and the new printed boards and the parts lists.

F

En cours de production, la platine porteuse et celle du tube image ont été modifiées. Ces plaques sont montées dans des appareils dont le n° de série commence par QGII, AGII et suivants.

Dans les appareils dont le n° de série commence par QG09, AG09 et suivants il y a également eu l'introduction du télétex FLOF. Ceci a été de pair avec un changement du masque du microprocesseur.

A savoir:

TMP47C432 - 8188 pour le TXT CEEFAX
TMP47C432 - 8189 pour le TXT FLOF

Ceci signifie donc que dans des appareils ne présentant pas de télétex, il y a moyen de monter soit un TXT CEEFAX, soit un TXT FLOF, ceci indépendamment de la version du microprocesseur.

Cette Info Service comporte les nouveaux schémas de principe modifiés, les dessins de plaques des plaques nouvelle et ancienne version et, la liste de pièces.

NL

Tijdens productie zijn het dragerpaneel en het beeldbuispaneel gewijzigd. Deze gewijzigde panelen zijn toegepast in apparaten waarvan het serienummer begint met QGII, AGII of hoger.

Tevens is in apparaten waarvan het serienummer begint met QG09, AG09 of hoger de FLOF teletext ingevoerd. Dit is samen gegaan met een masker wijziging van de microprocessor:

TMP47C432 - 8188 voor TXT CEEFAX
TMP47C432 - 8189 voor TXT FLOF

Dit betekent dus dat in niet teletext apparaten afhankelijk van de microprocessor versie een TXT CEEFAX of een TXT FLOF ingebouwd kan worden.

In deze service informatie worden de gewijzigde en nieuwe principe schema's, de print lay-outs van de gewijzigde en nieuwe panelen en de stuklijst gegeven.

D

Während der Produktion wurden die Trägerplatte und die Bildröhreplatte geändert. Diese geänderten Platten sind in Geräten, deren Serienummer mit QGII, AGII oder höher anfängt, angewandt.

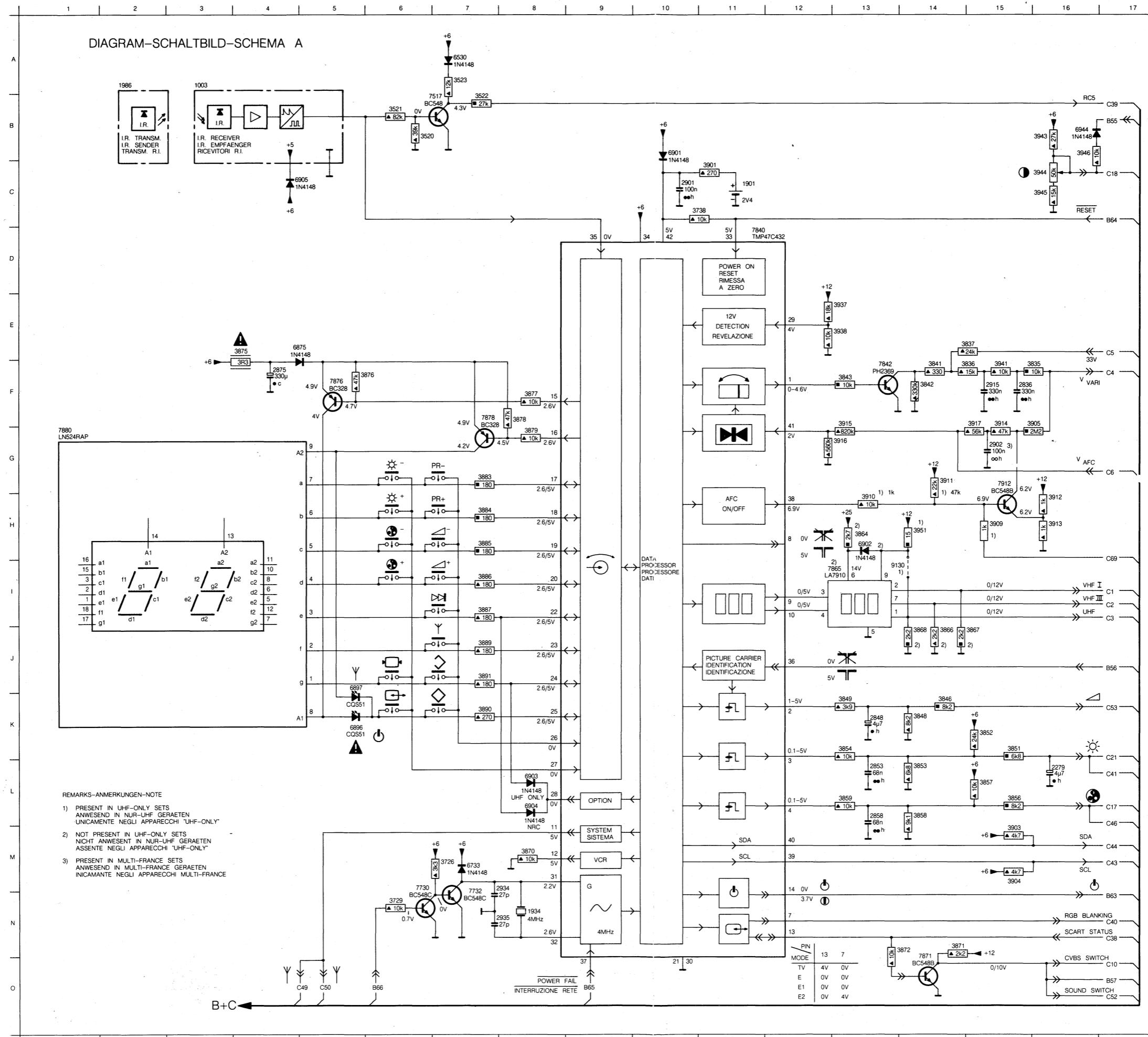
Gleichzeitig wurde in Geräten, deren Serienummer mit QG09, AG09 oder höher anfängt, der FLOF-Videotext eingeführt. Dies war verbunden mit einer Maskenänderung des Mikroprozessors. Nämlich:

TMP47C432 - 8188 für TXT CEEFAX
TMP47C432 - 8189 für TXT FLOF

Das bedeutet also, dass in Nicht-Videotext-Geräte je nach Mikroprozessor-Ausführung ein TXT CEEFAX oder ein TXT FLOF eingebaut werden kann.

In dieser Service-Information sind die geänderten und neuen Prinzipschaltbilder, die Printplattenauslegungen der geänderten und neuen Platten und die Stückliste enthalten.

DIAGRAM-SCHALTBILD-SCHEMA A

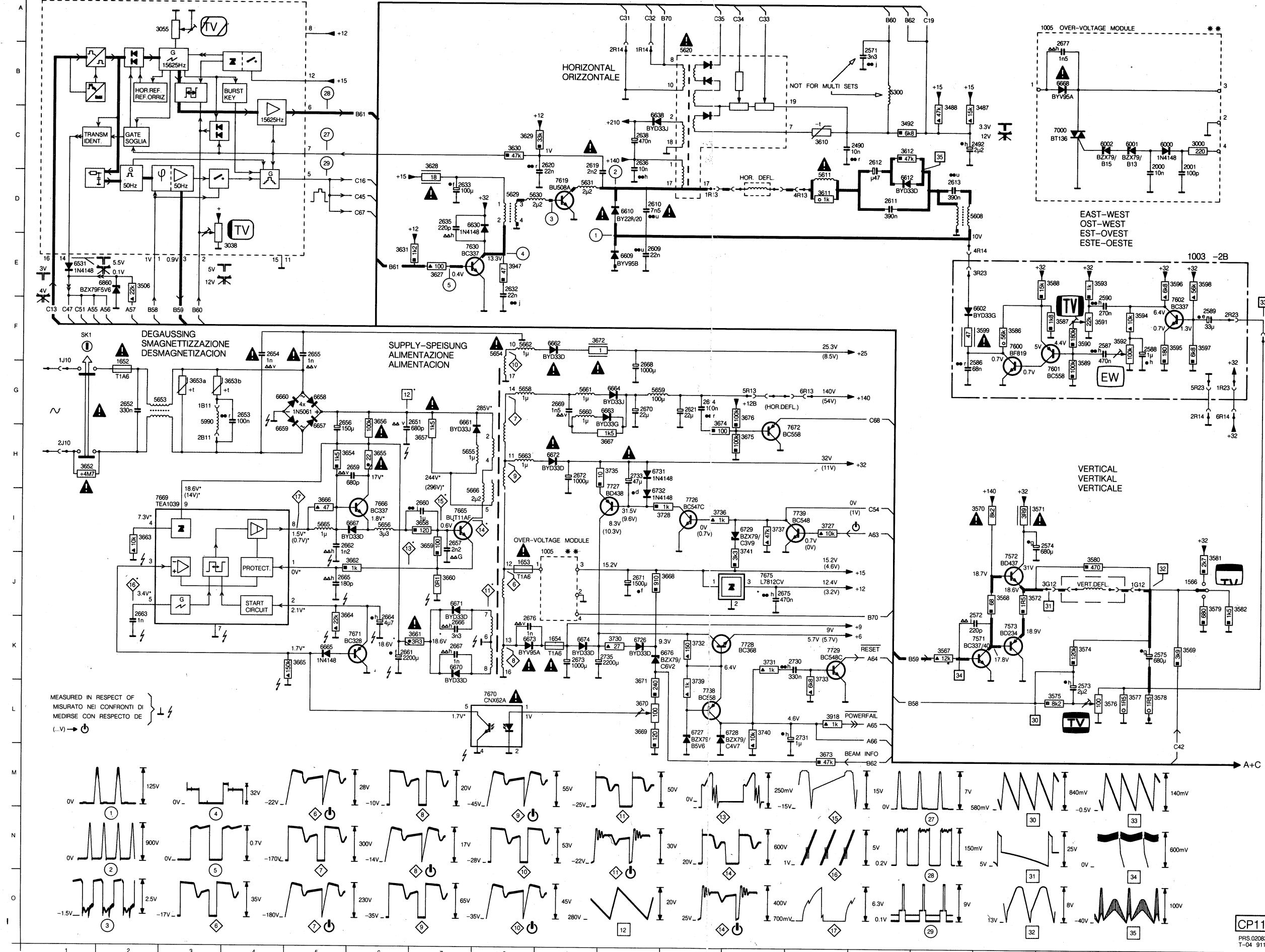


VST2 SYSTEM
SISTEMA VST2

1003	A 3
1930	C 11
1934	C 8
1986	A 2
2279	L 16
2836	F 15
2853	K 13
2858	L 13
2875	F 4
2901	C 10
2902	C 15
2915	F 15
2934	M 8
3520	B 6
3522	B 7
3524	A 7
3729	M 7
3738	N 6
3739	C 11
3835	F 16
3837	E 15
3841	F 14
3842	F 13
3843	E 3
3846	K 14
3848	K 14
3849	K 13
3851	K 15
3853	L 14
3856	K 13
3858	L 15
3859	L 14
3864	H 13
3866	J 14
3867	J 15
3868	J 14
3870	M 8
3871	N 14
3872	N 14
3875	E 4
3876	F 6
3877	F 8
3878	F 8
3879	G 8
3883	G 7
3884	H 7
3885	H 7
3886	I 7
3887	I 7
3889	J 7
3890	K 7
3891	J 7
3903	C 11
3904	M 15
3916	G 15
3917	H 15
3918	G 14
3919	H 16
3920	F 15
3921	F 13
3922	G 13
3923	H 14
3924	I 14
3925	J 14
3926	K 15
3927	L 8
3928	M 5
3929	N 5
3930	O 5
3931	B 16
3932	B 7
3933	M 6
3934	E 5
3935	E 5
3936	J 5
3937	H 16
3938	E 13
3939	E 13
3940	F 15
3941	B 16
3942	C 16
3943	C 16
3944	B 16
3945	H 14
3946	H 14
3947	I 14
3948	J 7
6733	M 7
6875	E 5
6896	E 5
6897	J 5
6901	B 10
6902	H 13
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6973	L 8
6974	L 8
6975</td	

DIAGRAM–SCHALTBILD–SCHEMA–DIAGRAM

1001 -2B SYNCHRONISATION-SINCRONIZZAZIONE-SYNCRONISATION



CS 21 781

CP110
PRS.02083
T-04 911

CARRIER PANEL

	4822 130 80908 4822 209 10576 4822 209 10892 4822 130 90388 5322 209 86176 4822 209 71751 4822 209 70872 4822 209 83104 4822 209 72038 4822 209 73665	5108 5109 5259 5260 5260 5261 5262 5270 5271 5300 5608 5611 5620 5629 5630 5631 5653 5654 5655 5656 5658 5659 5660 5661 5662 5663 5665 5666	4822 157 53064 4822 157 53064 4822 157 52287 4822 157 53065 4822 157 52265 4822 157 52807 4822 157 53093 4822 157 52808 4822 157 53252 4822 157 51462 4822 157 53069 4822 150 50073 4822 140 10325 4822 140 10324 4822 157 4822 157 53308 4822 157 53068 4822 148 60165 4822 157 51195 4822 157 51157 4822 157 51195 4822 157 4822 157 51195 4822 157 51195 4822 157 51195 4822 157 51195 4822 157 52223 4822 157	for amtsblatt
	4822 130 44104 4822 130 40855 4822 130 41344 5322 130 44647 4822 130 44503 4822 130 40938 4822 130 40937 4822 130 44196 4822 130 40941 4822 130 40917 4822 130 40982 4822 130 40995 4822 130 42679 4822 130 60263 4822 130 41594	5631 5653 5654 5655 5656 5658 5659 5660 5661 5662 5663 5665 5666	4822 157 53068 4822 148 60165 4822 157 51195 4822 157 51195 4822 157 51195 4822 157 51195 4822 157 4822 157 51195 4822 157 51195 4822 157 51195 4822 157 51195 4822 157 52223 4822 157	line output line driver
	4822 130 42488 4822 130 42489 4822 130 42606 4822 130 41601 4822 130 41486 4822 130 81099 4822 130 31981 4822 130 34174 4822 130 34173 4822 130 80303 4822 130 80309 4822 130 30959 4822 130 33939 4822 130 31933	3102 3280 3283 3570 3571 3576 3610 3628 3653 3656 3657 3660 3667 3670 3672 3875 3909 3944	4822 111 30499 4822 100 20148 4822 111 30593 4822 116 51166 4822 111 30821 4822 101 10818 4822 116 30323 4822 111 30504 4822 116 40065 4822 116 80288 4822 116 81761 4822 113 80429 5322 116 54272 4822 100 10361 4822 111 30483 4822 111 30593 4822 116 52204 4822 101 10819	4.7 Ω 0.33W 1 kΩ potm. 3.3 Ω 0.33W 8.2 kΩ 2.5W 3.9 Ω 0.5W 100 Ω potm. 150 kΩ NTC 6.8 Ω 0.33W PTC 100 kΩ 2W 1.5 kΩ 7W 0.1 Ω 2W 1.5 kΩ 2.5W 100 Ω potm. 1 Ω 0.33W 3.3 Ω 0.33W 1 kΩ 0.125 W 50 kΩ potm.

CARRIER PANEL

	2113 4822 124 41334	470 μ F 35 V	10J 4822 290 60626	2P
	2123 4822 124 40435	10 μ F 50 V	11B 4822 267 40653	2P
	2267 4822 125 50045	20 pF trimm.	12G 4822 265 30273	3P
	2521 4822 124 40434	22 μ F 35V	13R 4822 267 30546	6P
	2526 4822 124 40434	22 μ F 35V	14R 4822 267 30546	6P
	2571 4822 122 30099	3.3 nF 100V	15G 4822 265 40252	7P
	2610 5322 121 44357	7.5 nF 2kV	16R 4822 267 40653	2P
	2611 4822 121 40479	390 nF 250V	17 4822 264 50177	10P for coil cable
	2612 4822 124 22417	470 nF 160V	18G 4822 266 30276	4P
	2619 4822 121 41339	2.2 nF 2kV	19G 4822 265 40503	5P
	2620 4822 121 40516	22 nF 250V	20G 4822 265 40469	6P
	2621 4822 124 22257	22 μ F 250V	21G 4822 265 40471	8P
	2638 4822 121 51252	470 nF 63V		
	2652 4822 121 51424	330 nF 250V		
	2656 4822 124 22172	150 μ F 385V		
	2663 4822 121 41531	1000 pF 250V		
	2668 4822 124 40724	1000 μ F 35V		
	2670 4822 124 22257	22 μ F 250V		
	2672 4822 124 40724	1000 μ F 35V		
	2673 4822 124 40201	1000 μ F 16V		
	2735 4822 124 40723	2200 μ F 16V		
	2934 4822 122 32149	27 pF 100V		
	2935 4822 122 32149	27 pF 100V		
				
	1652 4822 253 30024	T1.6A	1000 4822 212 22746	IR receiver
	1653 4822 253 10046	T1.6A	1001 4822 212 22739	SYNC/IF-B/G
	1654 4822 253 10046	T1.6A	1001 4822 212 22771	SYNC/IF-I
			1001 4822 212 22769	SYNC/IF-Multi Fr
	10J 4822 265 40596	2P	1001 4822 212 22885	SYNC/IF-Multi Eur
	11B 4822 265 30389	2P	1001 4822 212 22886	SYNC/IF K-B/G
	12G 4822 265 30407	3P	1002 4822 210 40273	UV617
	13R 4822 267 40722	6P	1002 4822 210 40279	UV617/E
	14R 4822 267 40722	6P	1002 4822 210 10299	UV627
	15G 4822 290 40295	7P	1002 4822 210 50118	U743
	16R 4822 267 40665	3P	1030 4822 276 12422	mains-switch (SK1)
	18G 4822 417 50217	4P	1059 4822 212 22738	keyboard foil assy.
	19G 4822 267 40648	5P	1059 4822 276 80317	keyboard foil assy. multi
	20G 4822 267 50591	6P	1103 4822 242 71841	filter SFE6.0 MA
	21G 4822 264 50148	8P	1104 4822 242 70714	filter SFE5.5 MA
			1104 4822 242 72059	filter SFT6.5 MA
			1104 4822 242 71841	filter SFT6.0 MA
			1262 4822 157 51056	delay line DL330
			1267 4822 242 70626	crystal 8.867238 MHz
			1270 4822 320 40096	delay line DL701
			1566 4822 273 50296	switch 3P
			1901 4822 138 10229	battery 2.5V
			1934 4822 242 70831	filter 4 MHz
			4822 256 30274	fuse holder
			4822 462 10281	headphone socket
			4822 267 60243	scart socket
			4822 492 63733	slide spring fix.transistor
			4822 492 63731	spring fix. transistor

PICTURE TUBE PANEL

	BC337	4822 130 40855
	BC548B	4822 130 40937
	BC556	4822 130 40989
	BC558	4822 130 40941
	BF422	4822 130 41782
	BF423/01	4822 130 60703
	BF819	4822 130 42159
	BF869	4822 130 41773
		
	BAV21	4822 130 30842
	BYD33G	4822 130 42489
	1N4148-75	4822 130 33939
		
	5401	4822 157 53941
		
3403	5322 116 53741	5.1 kΩ 0.5 W
3426	4822 116 80327	137 kΩ 0.5 W
3427	4822 116 80327	137 kΩ 5 W
3428	4822 116 80327	137 kΩ 0.5 W
3439	4822 116 52399	1.5 kΩ 0.5 W
3440	4822 116 52399	1.5 kΩ 0.5 W
3444	4822 116 52399	1.5 kΩ 0.5 W
3445	5322 116 80275	470 Ω 0.5 W
3460	4822 111 50518	1.5 kΩ 0.5 W
3591	4822 100 10051	22 kΩ potm.
3592	4822 100 10052	100 kΩ potm.
3599	5322 116 80277	47 Ω 0.5W
		
2407	4822 122 33376	7,5 nF 1kV
		
22G	4822 290 40295	7P
23R	4822 267 40722	6P
		
22G	4822 265 40252	7P
23R	4822 267 30546	6P
	4822 255 70216	socket PT

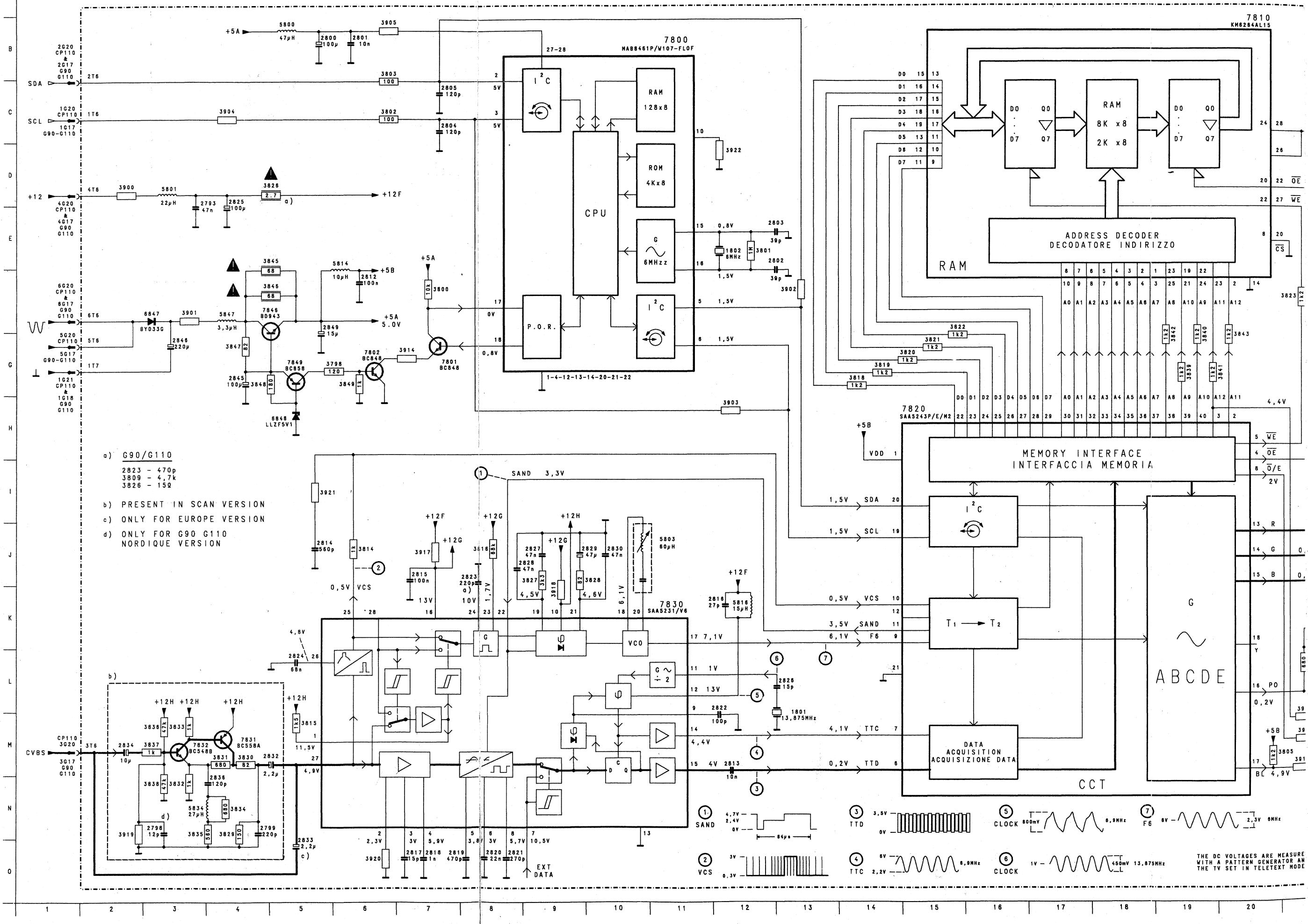
MUTE PANEL

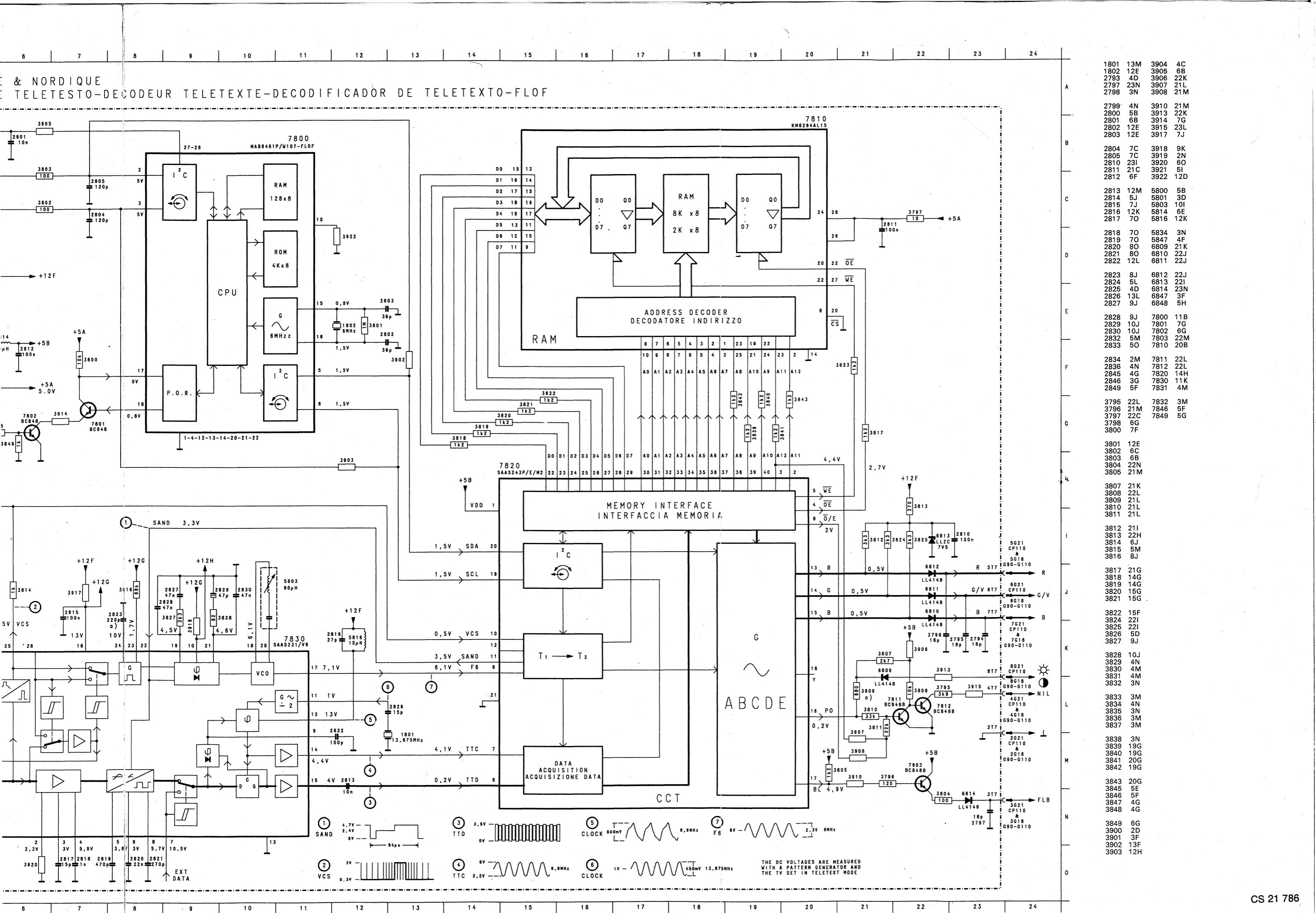
	BC548B	4822 130 40937
	BC558B	4822 130 44197
		
	1N4148-30	4822 130 33941

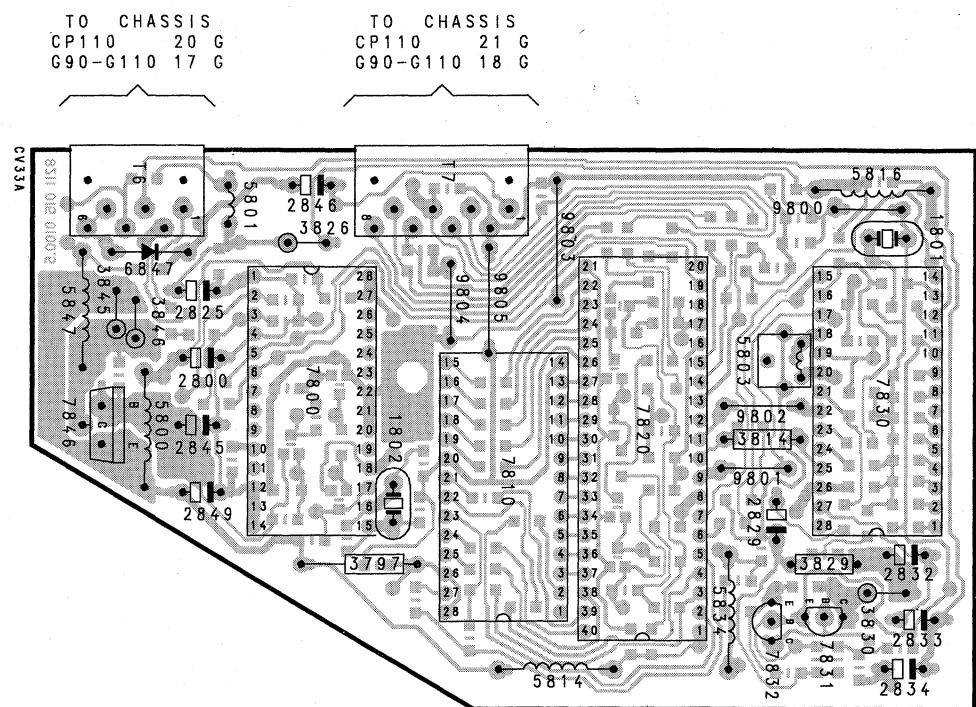
OVERVOLTAGE PANEL

	BT135	4822 130 20248
		
	BYV95A	4822 130 41601
	BZX79-B15	4822 130 34281
	BZX79-B13	4822 130 34195
		
3000	4822 111 90178	220 Ω 0,125 W
		
2000	4822 121 41815	100 nF 100 V
2001	4822 122 31211	100 pF 500 V
2677	4822 122 10174	1,5 nF 50 V

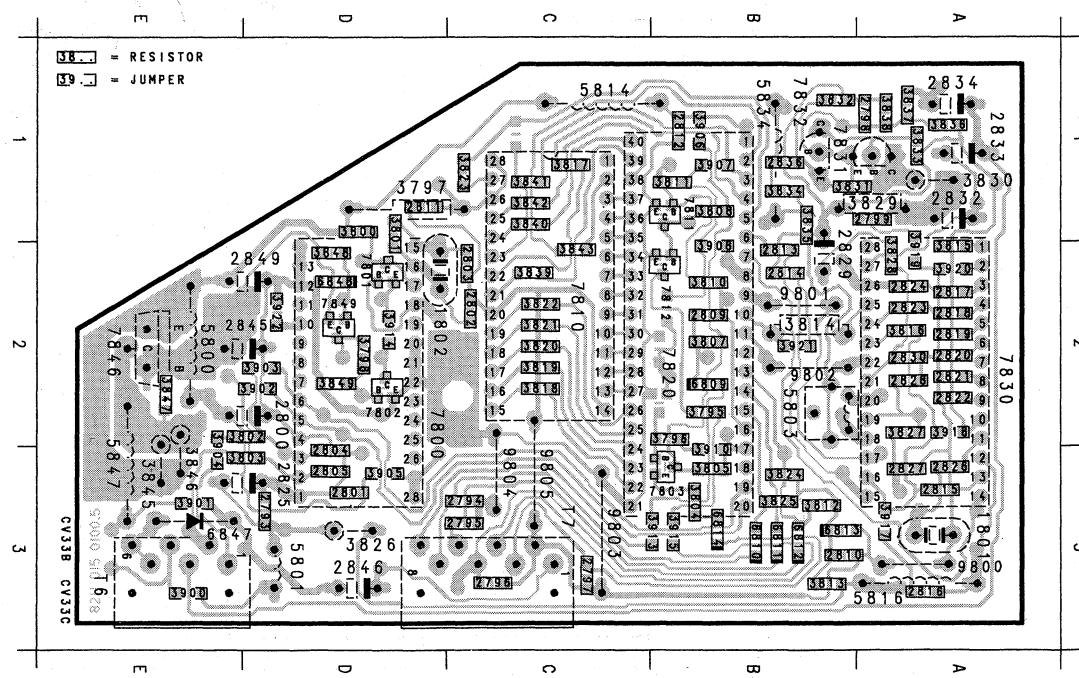
G90-G110-CP90-CP110 EUROPE & NORDIQUE
 TXT-DECODER-DECODIFICATORE TELETEXTE-DECODIFICOEUR DE TELETEXTO-FLOF







1801	3A	2819	2A	3802	2D	3829	1A	3905	3D	6813	3B
1802	2D	2820	2A	3803	3D	3830	1A	3906	1B	6814	3B
2793	3D	2821	2A	3804	3B	3831	1B	3907	1B	6847	3E
2794	3C	2822	2A	3805	3B	3832	1B	3908	2B	6848	2D
2795	3C	2823	2A	3807	2B	3833	1A	3910	3B	7800	2D
2796	3C	2824	2A	3808	1B	3834	1B	3913	3B	7801	2D
2797	3C	2825	3D	3810	2B	3835	1B	3914	2D	7802	2D
2798	1A	2826	3A	3811	1B	3836	1A	3915	3B	7803	3B
2799	1A	2827	3A	3812	3B	3837	1A	3917	3A	7810	2C
2800	2D	2828	2A	3813	3B	3838	1A	3918	2A	7811	1B
2801	3D	2829	2B	3814	2B	3839	2C	3919	2A	7812	2B
2802	2C	2830	2A	3815	2A	3840	1C	3920	2A	7820	2B
2803	2C	2832	1A	3816	2A	3841	1C	3921	2B	7830	2A
2804	3D	2833	1A	3817	1C	3842	1C	3922	2D	7831	1B
2805	3D	2834	1A	3818	2C	3843	2C	5800	2E	7832	1B
2809	2B	2836	1B	3819	2C	3845	3E	5801	3D	7846	2E
2810	3B	2845	2D	3820	2C	3846	3E	5803	2B	7849	2D
2811	1D	2846	3D	3821	2C	3847	2E	5814	1C	9800	3A
2812	1B	2849	2D	3822	2C	3848	2D	5816	3A	9801	2B
2813	2B	3795	2B	3823	1C	3849	2D	5834	1B	9802	2B
2814	2B	3796	2B	3824	3B	3900	3E	5847	3E	9803	3C
2815	3A	3797	1D	3825	3B	3901	3E	6809	2B	9804	3C
2816	3A	3798	2D	3826	3D	3902	2D	6810	3B	9805	3C
2817	2A	3800	1D	3827	2A	3903	2D	6811	3B		
2818	2A	3801	1D	3828	2A	3904	3F	6812	3B		

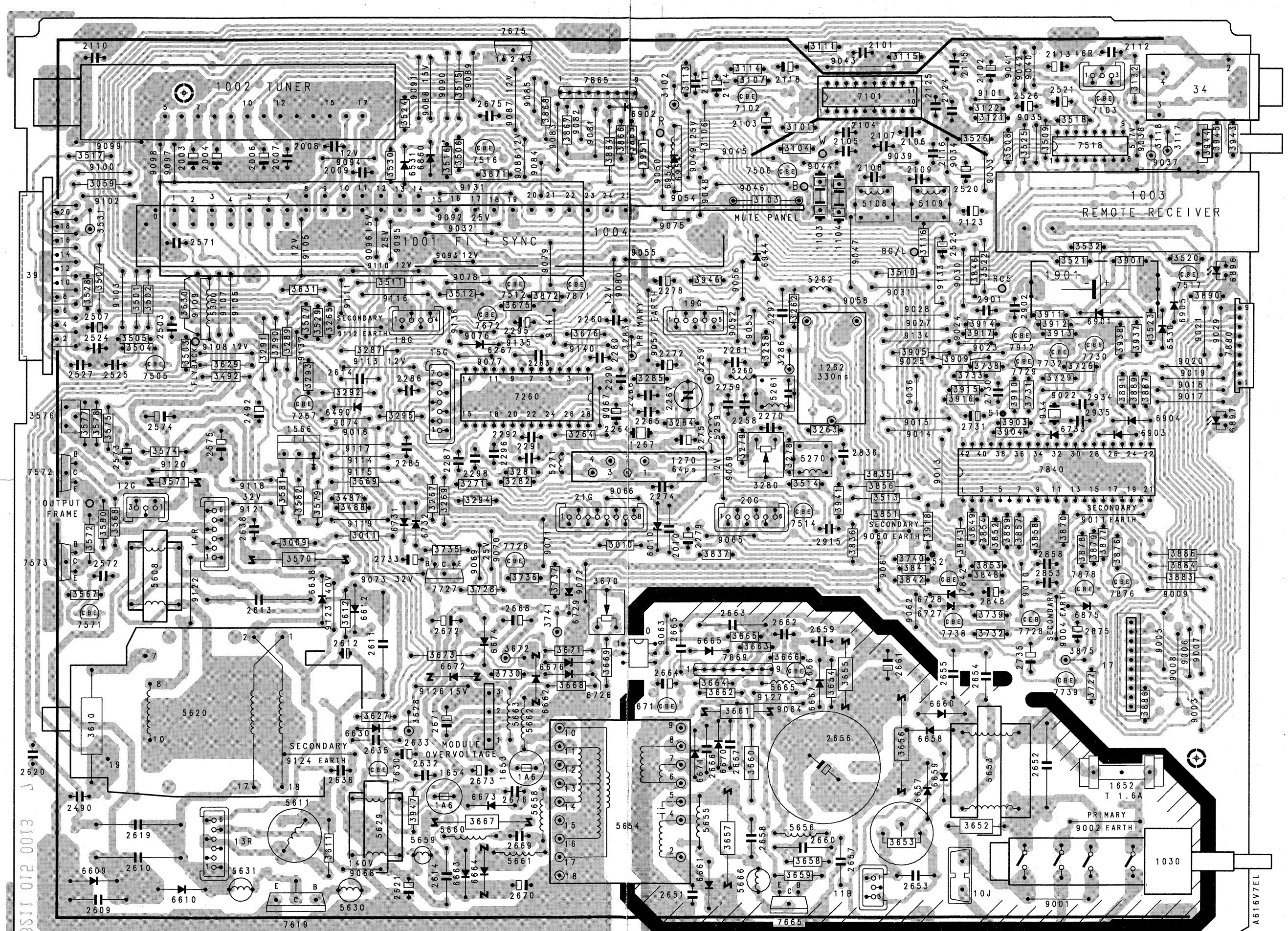


1005 TXT FLOF MODULE

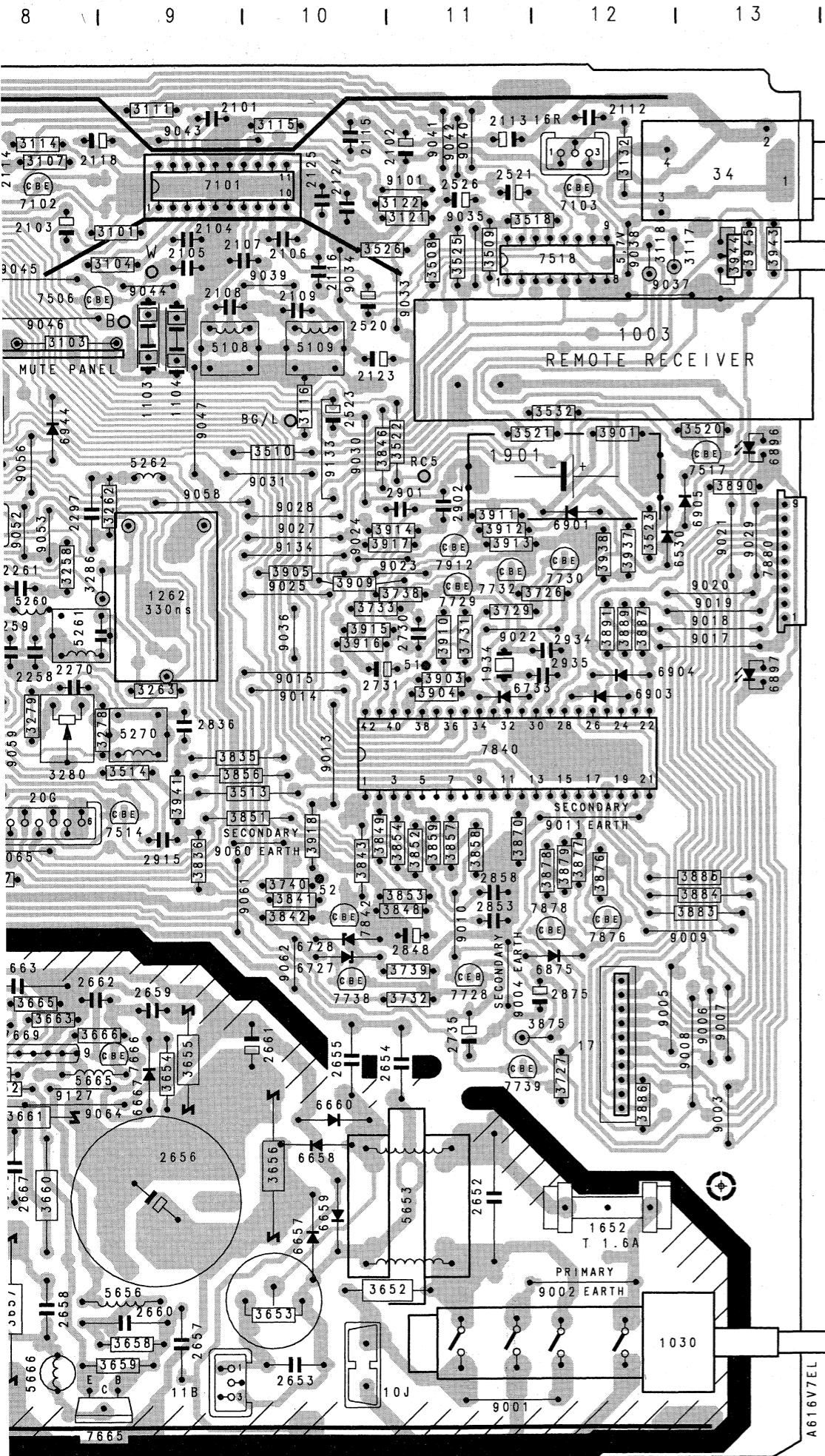
REMARKS			1) only for NORDIC sets	3800	4822 111 90249	10k 2% 0.125W
			2) not for NORDIC sets	3801	5322 111 90094	1M 5% 0.125W
Mechanical parts				3802	5322 111 90091	100R 2% 0.125W
21 4822 265 40469			6p female gold plated	3803	5322 111 90091	100R 2% 0.125W
22 4822 265 40471			8p female gold plated	3804	4822 111 90091	100R 2% 0.125W
Various parts				3805	5322 111 90096	1k2 2% 0.125W
1801 4822 242 71417			crystal 13.875 MHz	3807	4822 111 90569	2k7 2% 0.125W
1802 4822 242 71508			filter 6.0 MHz	3808	4822 111 90249	10k 2% 0.125W
				3809	4822 111 90162	680R 2% 0.125W
2793 4822 122 32542			47nF 10% 50V	3810	5322 111 90267	33k 2% 0.125W
2794 4822 122 31769			18pF 5% 50V	3811	4822 111 90251	22k 2% 0.125W
2795 4822 122 31769			18pF 5% 50V	3812	4822 111 90157	3k3 2% 0.125W
2796 4822 122 31769			18pF 5% 50V	3813	4822 111 90154	270R 2% 0.125W
2797 4822 122 31769			18pF 5% 50V	3814	4822 116 52204	1k 5% 0.5W
2799 1) 4822 122 33637			220pF 10% 50V	3815	4822 111 90151	1k5 2% 0.125W
2800 4822 124 41584			100μF 20% 10V	3816	4822 111 90202	68k 2% 0.125W
2801 4822 122 33478			10nF 20%	3817	5322 111 90096	1k2 2% 0.125W
2802 4822 122 31972			39pF 5% 50V	3818	5322 111 90096	1k2 2% 0.125W
2803 4822 122 31972			39pF 5% 50V	3819	5322 111 90096	1k2 2% 0.125W
2804 4822 122 31766			120pF 5% 50V	3820	5322 111 90096	1k2 2% 0.125W
2805 4822 122 31766			120pF 5% 50V	3821	5322 111 90096	1k2 2% 0.125W
2810 4822 122 33496			100nF 10% 63V	3822	5322 111 90096	1k2 2% 0.125W
2811 4822 122 33496			100nF 10% 63V	3823	5322 111 90096	1k2 2% 0.125W
2812 4822 122 33496			100nF 10% 63V	3824	4822 111 90157	3k3 2% 0.125W
2813 4822 122 33478			10nF 20%	3825	4822 111 90157	3k3 2% 0.125W
2814 4822 122 31773			560pF 5% 50V	3826	4822 111 30494	2R7 5% 0.33W
2815 4822 122 33496			100nF 10% 63V	3827	4822 111 90157	3k3 2% 0.125W
2816 4822 122 31825			27pF 5% 50V	3828	4822 111 90124	82R 2% 0.125W
2817 4822 122 32504			15pF 5% 50V	3829 1)	4822 116 52211	150R 5% 0.5W
2818 5322 122 31647			1nF 10% 50V	3830 1)	4822 116 52379	82R 5% 0.5W
2819 4822 122 31727			470pF 5%	3831 1)	4822 111 90162	680R 2% 0.125W
2820 4822 122 31797			22nF 10% 63V	3832 1)	5322 111 90092	1k 2% 0.125W
2821 4822 122 32142			270pF 5% 63V	3833 1)	5322 111 90092	1k 2% 0.125W
2822 4822 122 31765			100pF 5% 50V	3834 1)	4822 111 90162	680R 2% 0.125W
2823 4822 122 33637			220pF 10%	3835 1)	5322 111 90113	560R 2% 0.125W
2824 4822 122 32891			68nF 20% 50V	3836 1)	4822 111 90543	47k 2% 0.125W
2825 4822 124 41568			100μF 20% 16V	3837 1)	5322 111 90092	1k 2% 0.125W
2826 4822 122 32504			15pF 5% 50V	3838 1)	4822 111 90543	47k 2% 0.125W
2827 4822 122 32542			47nF 10% 50V	3839	5322 111 90096	1k2 2% 0.125W
2828 4822 122 32542			47nF 10% 50V	3840	5322 111 90096	1k2 2% 0.125W
2829 4822 124 41506			47μF 20% 16V	3841	5322 111 90096	1k2 2% 0.125W
2830 4822 122 32542			47nF 10% 50V	3842	5322 111 90096	1k2 2% 0.125W
2832 1) 4822 124 41585			2.2μF 20% 50V	3843	5322 111 90096	1k2 2% 0.125W
2833 2) 4822 124 41585			2.2μF 20% 50V	3844	4822 111 30531	68R 5% 0.33W
2834 1) 4822 124 41626			10 μF 20% 16V	3845	4822 111 30531	68R 5% 0.33W
2836 1) 4822 122 31766			120pF 5% 50V	3846	4822 111 90124	82R 2% 0.125W
2845 4822 124 41584			100μF 20% 10V	3847	5322 111 90242	180R 2% 0.125W
2846 4822 124 41554			220μF 20% 10V	3848	5322 111 90092	1k 2% 0.125W
2849 4822 124 41586			15 μF 20% 16V	3849	4822 111 90163	jumper
				3900	4822 111 90163	jumper
3795 4822 111 90571			3k9 2% 0.125W	3901	4822 111 90163	jumper
3796 4822 111 90339			120R 2% 0.125W	3904	4822 111 90163	jumper
3797 4822 116 52176			10R 5% 0.5W	3905	4822 111 90163	jumper
3798 4822 111 90339			120R 2% 0.125W	3906	4822 111 90163	jumper
				3908	4822 111 90163	jumper
				3910	4822 111 90163	jumper
				3913	4822 111 90163	jumper
				3914	4822 111 90163	jumper
				3915	4822 111 90163	jumper
				3917	4822 111 90163	jumper
				3918	4822 111 90163	jumper
				3919	4822 111 90163	jumper
				3921	4822 111 90163	jumper
				3922	4822 111 90163	jumper

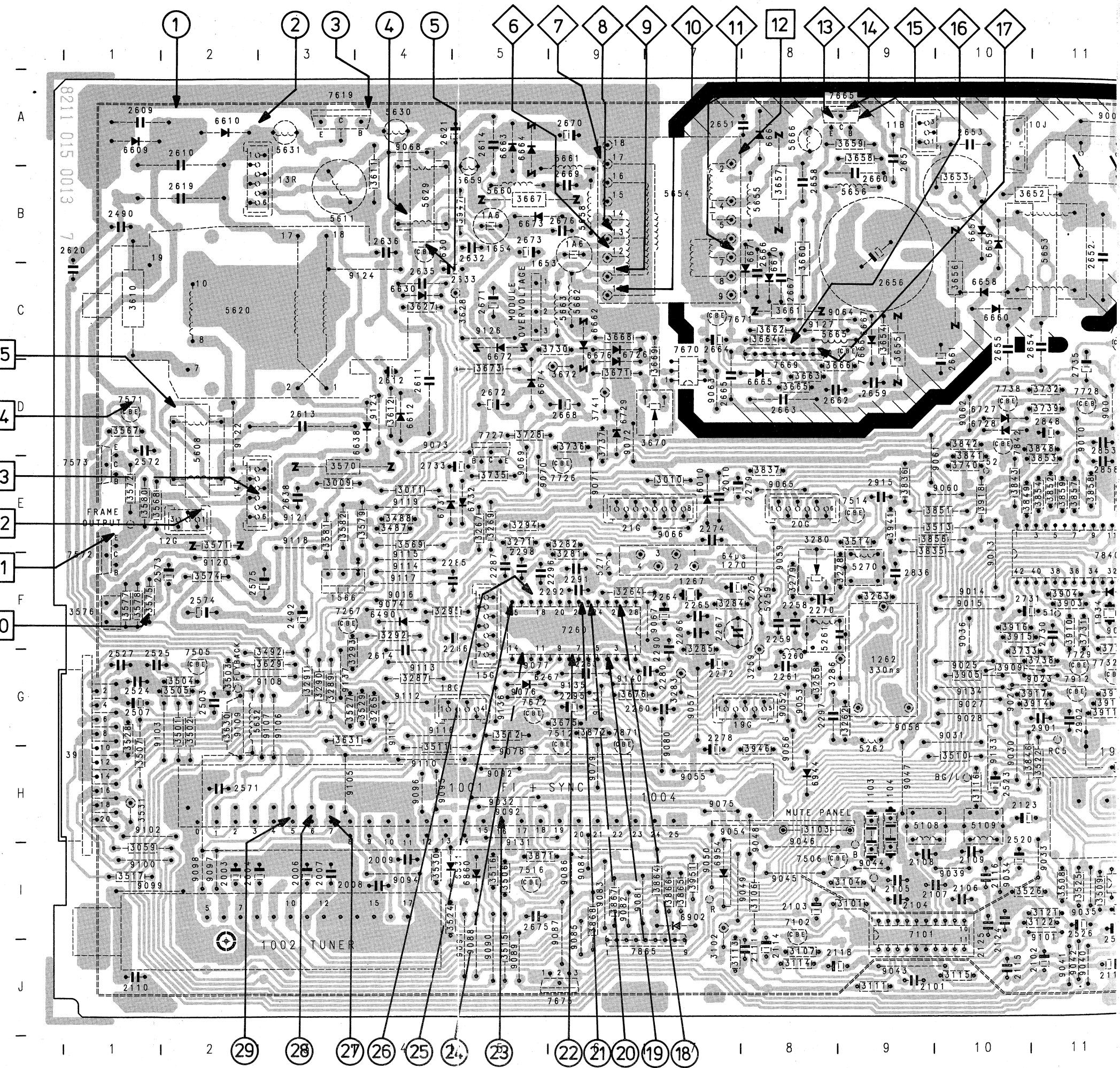
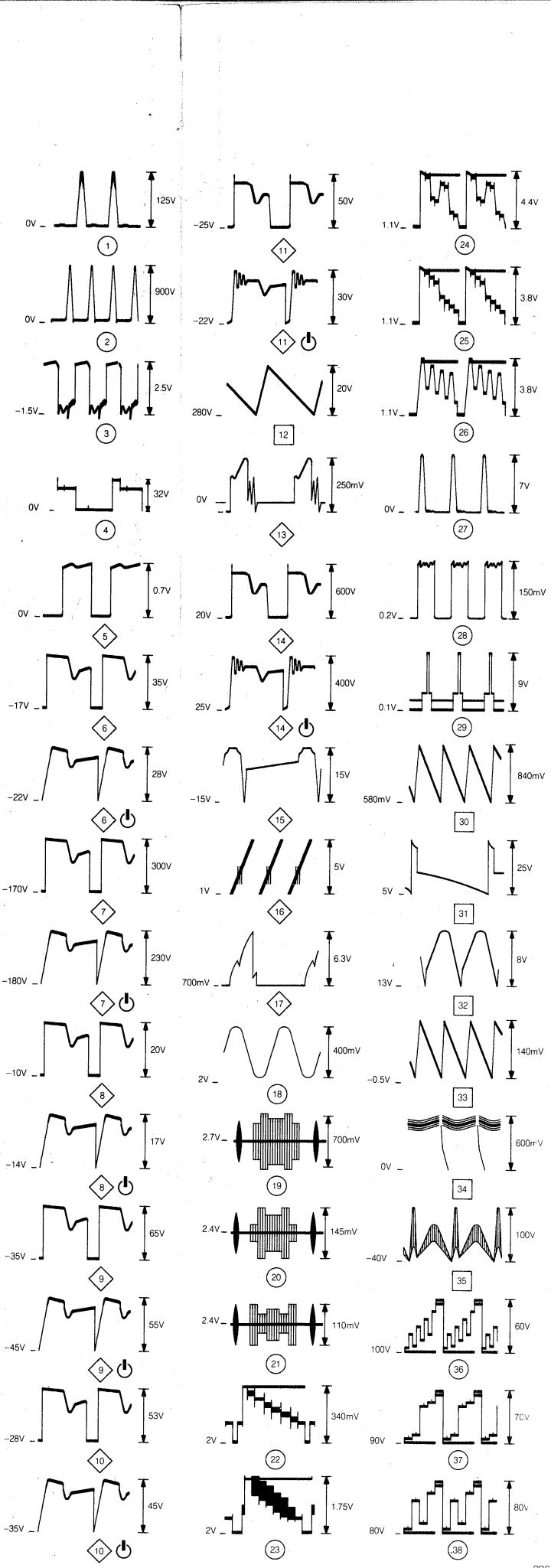
1005 TXT FLOF MODULE

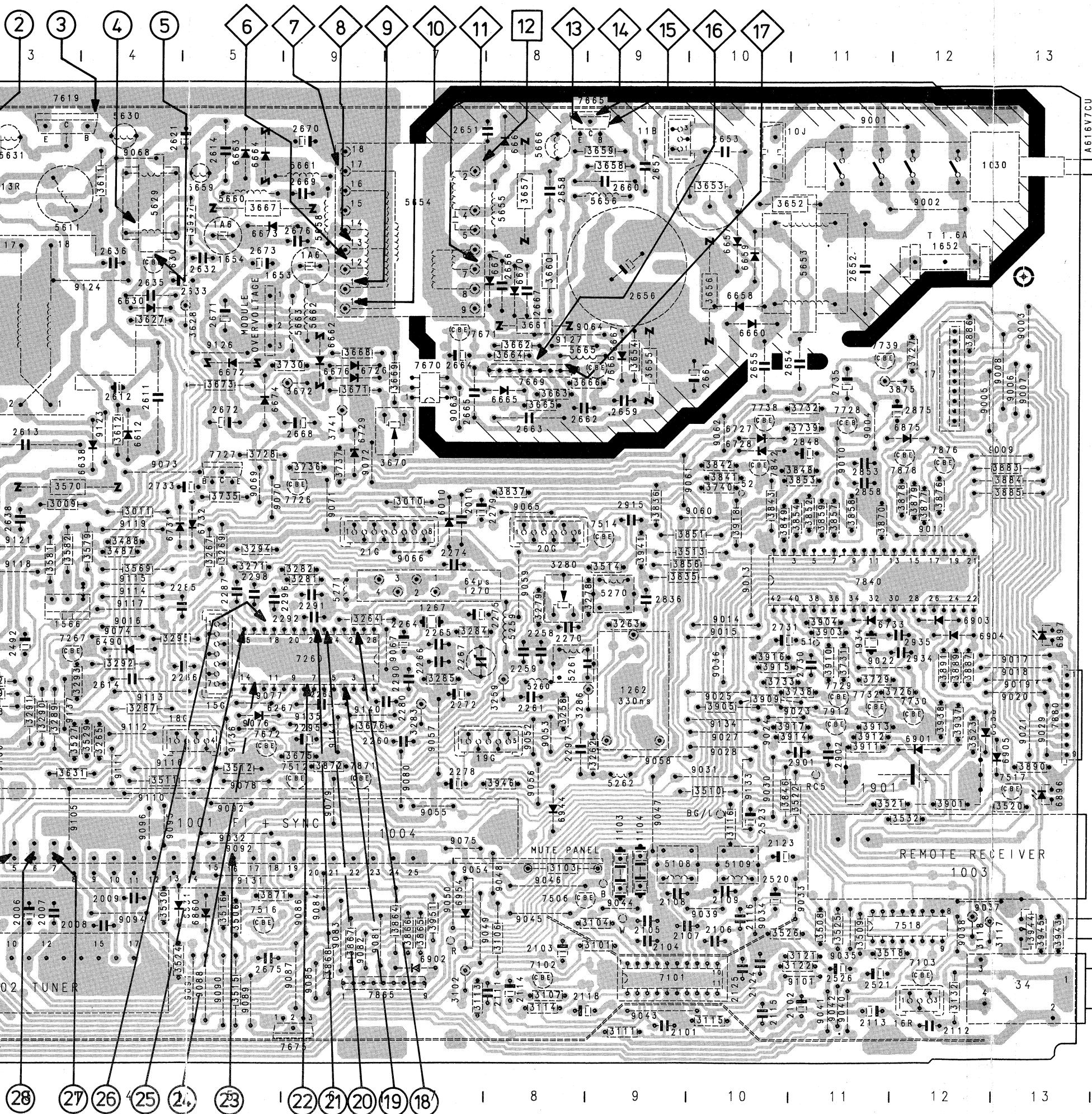
		
5800	4822 156 20966	47µH 10%
5801	4822 157 53252	22µH 5%
5803	4822 157 52825	60µH
5814	4822 157 53608	10µH 10%
5816	4822 157 52224	15µH 10%
5834 1)	4822 157 53001	27µH 10%
5847	4822 157 51157	3.3µH 10%
		
6809	4822 130 80446	LL4148
6810	4822 130 80446	LL4148
6811	4822 130 80446	LL4148
6812	4822 130 80446	LL4148
6813	4822 130 80906	LLZ-C7V5
6814	4822 130 80446	LL4148
6847	4822 130 42489	BYD33G
6848	4822 130 80905	LLZ-F5V1
 		
7800	4822 209 72355	MAB8461P/W107
7801	4822 130 61207	BC848
7802	4822 130 61207	BC848
7803	5322 130 41982	BC848B
7810	4822 209 73584	KM6264AL-15
7811	5322 130 41982	BC848B
7812	5322 130 60159	BC846B
7820	4822 209 73879	SAA5243P/E/M2
7830	4822 209 72972	SAA5231/V6
7831 1)	4822 130 40962	BC558A
7832 1)	4822 130 40937	BC548B
7846	5322 130 44921	BD943
7849	5322 130 42012	BC858



17	12G	2572	1F	3285	7D
34	13A	2573	1E	3286	8D
39	1C	2574	2E	3287	4D
10J	10J	2575	2E	3289	3D
11B	9J	2609	1J	3290	3D
12G	2F	2610	2J	3291	3D
13R	3I	2611	4G	3292	4E
14R	5F	2612	4G	3293	3D
15G	5D	2613	3G	3294	5F
16R	12A	2614	4D	3295	4E
18G	4D	2614	5J	3487	4F
19G	8D	2619	2I	3488	4F
20G	8F	2620	1I	3492	3D
21G	6F	2621	4J	3501	2D
001	5C	2632	5I	3502	2D
002	3A	2633	5H	3503	2D
003	12C	2635	4H	3504	2D
004	7C	2636	4I	3505	2D
030	12J	2638	3F	3506	5B
103	9C	2651	7J	3507	1C
104	9C	2652	11I	3508	11B
262	9D	2653	10J	3509	11B
267	7E	2654	10H	3510	10C
270	7E	2655	10H	3511	4C
566	3E	2656	9H	3512	5D
652	12I	2657	9J	3513	10F
653	6I	2658	8I	3514	9F
654	5I	2659	9G	3515	5A
901	11C	2660	9I	3516	5B
934	11E	2661	10G	3517	1B
2003	2B	2662	8G	3518	12B
2004	2B	2663	8G	3520	13C
2006	3B	2664	7H	3521	12C
2007	3B	2665	7G	3522	11C
2008	3B	2666	8I	3523	12D
2009	4B	2667	8I	3524	4B
2010	7F	2668	6G	3525	11B
2101	9A	2669	6I	3526	10B
2102	11A	2670	6J	3527	3D
2103	8B	2671	5H	3528	1D
2104	9B	2672	5G	3529	4D
2105	9B	2673	5I	3530	4B
2106	10B	2675	5B	3531	1C
2107	10B	2676	6I	3532	12C
2108	9B	2730	11E	3567	1G
2109	10B	2731	10E	3568	1F
2110	1A	2733	4F	3569	4F
2111	8A	2735	21D	3570	3F
2112	12A	2735	11G	3571	2F
2113	11A	2836	9E	3572	1F
2114	8A	2848	11G	3574	2E
2115	10A	2853	11G	3575	1E
2116	10B	2858	11F	3576	1E
2118	9A	2875	12G	3577	1E
2123	10C	2901	11D	3578	1E
2124	10A	2902	11D	3579	4F
2125	10A	2915	9F	3580	1F
258	8E	2934	12E	3581	3F
259	8E	2936	12E	3582	3F
260	6D	3009	3F	3610	1H
261	8D	3010	7F	3611	4I
263	6D	3011	4F	3612	4G
264	7E	3059	1B	3627	4H
265	7E	3101	9B	3628	5H
266	7E	3102	7A	3629	3D
267	7E	3103	8C	3630	2D
270	8E	3104	9B	3631	3D
272	7D	3106	8B	3652	10I
274	7F	3107	8A	3653	10I
275	8E	3111	9A	3654	9H
278	7D	3113	7A	3655	9H
279	8F	3114	8A	3656	10H
280	7D	3115	10A	3657	8I
285	5E	3116	10C	3658	9J
286	5D	3117	13B	3659	9J
287	5E	3118	12B	3660	8I
290	7D	3121	11B	3661	8H
291	6E	3122	11B	3662	8H
292	6E	3132	12A	3663	8G
295	6D	3258	8D	3664	8H
296	6E	3259	8D	3665	8G
297	8D	3262	9D	3666	9G
298	5E	3263	9E	3667	5I
490	11	3264	6E	3668	6H
492	3E	3265	4D	3669	7G
503	2D	3267	5F	3670	7G
507	1D	3269	5F	3671	6G
520	10B	3271	5F	3672	6G
521	11A	3278	9E	3673	5G
523	10C	3279	8E	3675	6D
524	1D	3280	8F	3676	6D
525	1D	3281	6E	3726	12D
526	11B	3282	6F	3727	12H
527	1D	3283	7D	3728	5G
571	2C	3284	7E	3729	11D







17	12C	2572	1E	3286	8G	3731	11F	5663	6C	9009	13D	9108	3G
34	13J	2573	1F	3287	4G	3732	11D	5665	8C	9010	11D	9109	2G
39	1H	2574	2F	3289	3G	3733	10G	5666	7E	9011	12E	9110	4H
10J	10A	2575	2F	3290	3G	3735	5E	6010	7E	9013	10F	9111	4G
11B	9A	2609	1A	3291	3G	3736	6D	6267	5G	9014	10F	9112	4G
12G	2E	2610	2A	3292	4F	3737	6D	6490	4F	9015	10F	9113	4G
13R	3B	2611	4D	3293	3G	3738	11G	6530	13G	9016	4F	9114	4F
14R	2E	2612	4D	3294	5E	3739	11D	6531	5I	9017	13F	9115	4F
15G	5G	2613	3D	3295	4F	3740	10E	6609	1A	9018	13F	9116	4G
16R	12J	2614	4G	3487	4E	3741	6D	6610	2A	9019	13G	9117	4F
18G	4G	2614	5A	3488	4E	3835	9F	6612	4D	9020	13G	9118	3E
19G	8G	2619	2B	3492	3G	3836	9E	6630	4C	9021	13G	9119	3E
20G	8E	2620	1B	3501	2G	3837	8E	6638	4D	9022	11F	9120	2F
21G	6E	2621	4A	3502	2G	3841	10E	6657	10B	9023	11G	9121	3E
1001	5H	2632	5B	3503	2G	3842	10D	6658	10C	9024	10G	9122	2D
1002	3J	2633	5C	3504	2G	3843	10E	6659	10B	9025	10G	9123	4D
1003	12H	2635	4C	3505	2G	3846	10H	6660	10C	9027	10G	9124	4C
1004	7H	2636	4B	3506	5I	3848	11D	6661	8A	9028	10G	9126	5C
1030	12A	2638	3E	3507	1H	3849	10E	6662	6C	9029	13G	9127	8C
1103	9H	2651	7A	3508	11I	3851	10E	6663	5A	9030	10H	9131	5I
1104	9H	2652	11B	3509	11I	3852	11E	6664	5A	9031	10G	9133	10H
1262	9G	2653	10A	3510	10H	3853	11E	6665	8D	9032	10G	9134	10G
1267	7F	2654	10C	3511	4H	3854	11E	6667	9C	9033	11I	9135	6G
1270	7F	2655	10C	3512	5G	3856	9E	6670	8B	9034	10I	9136	5G
1566	3F	2656	9C	3513	10E	3857	11E	6671	8B	9035	11I	9137	3G
1652	12B	2657	9A	3514	9E	3858	11E	6672	5C	9036	10F	9140	6G
1653	5C	2658	8B	3515	5J	3859	11E	6673	5B	9037	12I	9141	6G
1654	5B	2659	9B	3516	5I	3864	7I	6674	5D	9038	12I		
1901	11H	2660	9B	3517	11I	3865	7I	6676	6C	9039	10I		
1934	11F	2661	10D	3518	12I	3866	7I	6726	6C	9040	11J		
2003	2I	2662	8D	3520	13H	3867	6I	6727	10D	9041	11J		
2004	2I	2663	8D	3521	12H	3868	6I	6728	10D	9042	11J		
2006	3I	2664	7C	3522	11H	3870	11E	6729	6D	9043	9J		
2007	3I	2665	7D	3523	12G	3871	5I	6731	4E	9044	9I		
2008	3I	2666	8B	3524	4I	3872	6G	6732	5E	9045	8I		
2009	4I	2667	8C	3525	11I	3875	12D	6733	12F	9046	8I		
2010	7E	2668	6D	3526	10I	3876	12E	6860	5I	9047	9H		
2101	9J	2669	6B	3527	3G	3877	12E	6875	12D	9048	8H		
2102	11J	2670	6A	3528	1G	3878	12E	6896	13H	9049	8I		
2103	8I	2671	5C	3529	4G	3879	12E	6897	13F	9050	7I		
2104	9I	2672	5D	3530	4I	3883	13D	6901	12G	9052	8G		
2105	9I	2673	5B	3531	1H	3884	13E	6902	7I	9053	8G		
2106	10I	2675	5I	3532	12H	3885	13E	6903	12F	9054	7H		
2107	10I	2676	6B	3567	1D	3886	12C	6904	13F	9055	7H		
2108	9I	2730	11F	3568	1E	3887	12F	6905	13G	9056	8H		
2109	10I	2731	10F	3569	4E	3889	12F	6944	8H	9057	7G		
2110	1J	2733	4E	3570	3E	3890	13G	6954	7I	9058	9G		
2111	8J	2735	11D	3571	2E	3891	12F	7101	9I	9059	8F		
2112	12J	2836	9F	3572	1E	3901	12H	7102	8I	9060	10E		
2113	11J	2848	11D	3574	2F	3903	11F	7103	12I	9061	10E		
2114	8J	2853	11D	3575	1F	3904	11F	7260	6F	9062	10D		
2115	10J	2858	11E	3576	1F	3905	10G	7267	3F	9063	7D		
2116	10I	2875	12D	3577	1F	3909	10G	7505	2G	9064	9C		
2118	9A	2901	11G	3578	1F	3910	11F	7506	8I	9065	8E		
2123	10H	2902	11G	3579	4E	3911	11G	7512	6G	9066	7E		
2124	10J	2915	9E	3580	1E	3912	11G	7514	9E	9067	7F		
2125	10I	2934	12F	3581	3E	3913	11G	7516	5I	9068	4A		
2258	8F	2935	12F	3582	3E	3914	11G	7517	13G	9069	5E		
2259	8F	3009	3E	3610	1C	3915	10F	7518	12I	9070	5E		
2260	6G	3010	7E	3611	4B	3916	10F	7571	1D	9071	6E		
2261	8G	3011	4E	3612	4D	3917	11G	7572	1F	9072	6D		
2263	6G	3059	1I	3627	4C	3918	10E	7573	1E	9073	4D		
2264	7F	3101	9I	3628	5C	3937	12G	7619	3A	9074	4F		
2265	7F	3102	7I	3629	3G	3938	12G	7630	4B	9075	7H		
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2267	7F	3104	9I	3631	3G	3943	13I	7666	9C	9077	5G		
2270	8F	3106	8I	3652	10B	3944	13I	7669	8D	9078	5H		
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2279	8E	3115	10J	3657	8I	5108	9H	7726	6E	9083	6I		
2280	7G	3116	10H	3658	9A	5109	10H	7727	5D	9084	6I		
2285	5F	3117	13I	3659	9A	5259	8F	7728	11D	9085	6I		
2286	5G	3118	12I	3660	8B	5260	8G	7729	11G	9086	6I		
2287	5F	3121	11I	3661	8C	5261	8F	7730	12G	9087	6I		
2290	7G	3122	11I	3662	8C	5262	9H	7732	11G	9088	5J		
2291	6F	3132	12J	3663	8D	5270	9F	7738	10D	9089	5J		
2292	6F	3258	8G	3664	8C	5271	6F	7739	11C	9090	5J		
2295	6G	3259	8G	3665	8D	5608	2D	7840	11F	9091	5J		
2296	6F	3262	9G	3666	9D	5611	3B	7842	10D	9092	5H		
2297	8G	3263	9F	3667	5B	5620	2C	7865	6J	9092	5H		
2298	5F	3264	6F	3668	6C	5629	4B	7871	6G	9094	4I		
2490	1B	3265	4G	3669	7D	5630	4A	7876	12D	9095	4H		
2492	3F	3267	5E	3670	7D	5631	3A	7878	12D	9096	4H		
2503	2G	3269	5E	3671	6D	5632	2G	7880	13G	9097	2I		
2507	1G	3271	5E	3672	6D	5653	11B	7912	11G	9098	2I		
2520	10I	3278	9F	3673	5D	5654	7B	9001	11A	9099	11		
2521	11J	3279	8F	3675	6G	5655	8B	9002	12B	9100	11		
2523	10H	3280	8E	3676	6G	5656	9B	9003	13C	9101	11J		
2524	1G	3281	6F	3726	12G	5658	6B	9004	11D	9102	1H		
2525	1G	3282	6E	3727	12C	5659	5B	9005	12D	9103	1G		
2526	11I	3283	7G	3728	5D	5660	5B	9006	13D	9105	3H		
2527	1G	3284	7F	3729	11G	5661	6A	9007	13D	9106	3G		
2571	2H	3285	7G	3730	6C	5662	6C	9008	13C	9107	3G		